

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	258	"3872330" "6528925" "6095175" "6081061" "4900970" "5703623" "6251658" "5371529" "4918350" "4939403" "5118982" "4841191" "6563379" "6137208" 09/899364 JP2002217462 JP08218255 JP2002113864 JP404039060	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/13 23:48
S1	399	h02n002/06.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 19:38
S2	21656	piezoelectric near4 actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 19:39
S3	111	S2 and ((discharg\$3 near4 (power or supply)) same control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 19:41
S4	21	S3 and sheets	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 19:45
S5	50	S3 and @pd<"20021216"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 20:08
S6	20	S5 and (negative same positive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 19:53
S7	8	S6 and plate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 19:56

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S8	2	S6 and (mov\$3 same mechanic\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 20:00
S9	3	S3 and @pd<"20021216" and (drive adj voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 20:08
S10	13	S5 and mechanic\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 20:16
S14	2549	piezoelectric adj actuator	JPO	OR	ON	2006/04/10 21:16
S15	3	S14 and (((discharg\$3 near4 (power or supply))) same control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 21:18
S16	2	S2 same (pair near2 series)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 21:47
S17	766	S2 same (series)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 23:18
S18	1	5-302251	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 21:58
S19	9	S2 same (series) and (back near back)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 22:45

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S20	406	S2 same (series) and common	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 23:19
S21	25	S20 and bridge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 23:43
S22	13017	(piezoelectric with plate) same (sheets layers electrodes)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:59
S23	2164	S22 and ((piezoelectric with (common single center) with plate) same (sheets layers electrodes))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:42
S24	567	S23 and (layered stacked)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:43
S27	66851	361/207.ccls. 310/317.ccls. 310/316.03.ccls. "347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:57
S28	2717	361/207.ccls. 310/317.ccls. 310/316.03.ccls. "347"/\$.ccls. and (piezoelectric adj actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:54
S29	1755	361/207.ccls. 310/317.ccls. 310/316.03.ccls. "347"/\$.ccls. and (piezoelectric adj actuator) and (layered stacked)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:57

## EAST Search History

S30	1159	361/207.ccls. 310/317.ccls. 310/316.03.ccls. "347"/\$.ccls. and (piezoelectric adj actuator) and (layered stacked) and (control near3 (middle common))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:55
S31	1147	361/207.ccls. 310/317.ccls. 310/316.03.ccls. "347"/\$.ccls. and (piezoelectric adj actuator) and (layered stacked) and (control near2 (middle common))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:53
S37	1740	(361/207.ccls. 310/317.ccls. 310/316.03.ccls. "347"/\$.ccls.) and (piezoelectric adj actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:55
S38	13	(361/207.ccls. 310/317.ccls. 310/316.03.ccls. "347"/\$.ccls.) and (piezoelectric adj actuator) and (layered stacked) and (control near3 (middle common))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 17:55
S41	9	(piezoelectric with plate) and (sheets layers electrodes) and (discharg\$3 near3 feeder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 18:27
S42	2730	(plurality multiplicity multiple mane several) same (piezoelectric\$3 adj actuator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 18:39
S43	1921	(plurality multiplicity multiple mane several) same (piezoelectric\$3 adj actuator) and (discharg\$3 near3 supply voltage feeder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 18:40
S44	1	(plurality multiplicity multiple mane several) same (piezoelectric\$3 adj actuator) and (sequential\$3 same (discharg\$3 near3 (supply voltage feeder)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 18:59

## EAST Search History

S45	11	(plurality multiplicity multiple many several) same (piezoelectric\$3 adj actuator) and (sequential\$3 same discharg\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 19:05
S46	468	(plurality multiplicity multiple many several) same (piezoelectric\$3) and (sequential\$3 same (charg\$3 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 21:43
S47	30906	(plurality multiplicity multiple many several) same (piezoelectric\$3) and (sequential\$3 consecutive constant continuous following incessant later next persistent regular sequent serial steady subsequent subsequential succedent succeeding successive same (charg\$3 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 21:05
S48	30901	(plurality multiplicity multiple many several) same (piezoelectric\$3) and (sequential\$3 consecutive constant continuous following incessant later next persistent regular sequent serial steady subsequent subsequential succedent succeeding successive adj (charg\$3 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 19:30
S49	9457	(plurality multiplicity multiple many several) same (piezoelectric\$3) same (sequential\$3 consecutive constant continuous following incessant later next persistent regular sequent serial steady subsequent subsequential succedent succeeding successive adj (charg\$3 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 19:32
S50	862	(plurality multiplicity multiple many several) adj (piezoelectric\$3) same (sequential\$3 consecutive constant continuous following incessant later next persistent regular sequent serial steady subsequent subsequential succedent succeeding successive adj (charg\$3 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 21:03

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S51	6	(plurality multiplicity multiple many several) adj (piezoelectric\$3) same ((sequential\$3 consecutive constant continuous following incessant later next persistent regular sequent serial steady subsequent subsequential succedent succeeding successive) adj (charg\$3 discharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 19:33
S53	54	(plurality multiplicity multiple many several) same (piezoelectric\$3) and (sequential\$3 consecutive constant continuous following incessant later next persistent regular sequent serial steady subsequent subsequential succedent succeeding successive same (charg\$3 discharg\$3)) and (ddd ccc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 22:07
S54	18	(plurality multiplicity multiple many several) same (piezoelectric\$3) and (sequential\$3 consecutive constant continuous following incessant later next persistent regular sequent serial steady subsequent subsequential succedent succeeding successive same (charg\$3 discharg\$3)) and (ddd ccc)not heart	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 21:07
S55	8	((plurality multiplicity multiple many several) adj (piezoelectric\$3)) and ((sequential\$3 adj (charg\$3 discharg\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 21:44
S56	31	"6081061" "3872330" "6528925" "6137208" "6563379" 09/899364	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 21:53
S57	3	S56 and sequential\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 21:54
S58	8	S56 and ((consecutiv\$3 constant\$3 continuous\$3 following incessant\$3 later next persistent\$3 regular\$3 sequent\$3 serial steady\$3 subsequent\$3 succed\$5 sequential\$2) near (charg\$3 descharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 22:03

## EAST Search History

S59	8	S56 and ((consecutiv\$5 constant\$5 continuous\$5 follow\$3 incessant\$5 later next persistent\$5 regular\$5 sequent\$5 serial steady\$5 subsequent\$5 succed\$5 sequential\$3) near (charg\$3 descharg\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 22:05
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